Index of Claims

| Application/Co | ontrol | No. |
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10/629,192

Examiner

Michael J. Araj

Applicant(s)/Patent under Reexamination

KOMAN ET AL.

Art Unit

3733

| <b>√</b> | Rejected |
|----------|----------|
| 1        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|             |          |              | •        |          |  |  |  |  |  |  |   |  |          |          |          |          |          |          |              |    |
|-------------|----------|--------------|----------|----------|--|--|--|--|--|--|---|--|----------|----------|----------|----------|----------|----------|--------------|----|
| Cla         | im       |              |          |          |  | Date   | e  |  |  |  |   | Cla  | aim      |          |          |          | Dat      | e        |              | _  |
| Final       | Original | 3/17/06      | 6/17/06  |          |  |  |  |  |  |  |   | Final  | Original |          |          |          |          |          |              |    |
|             | 1        | +            | 1        |          |  |  |  |  |  |  |   |  | 51       |          |          |          |          |          |              |    |
|             | 2        | 1            | 1        |          |  |  |  |  |  |  |   |  | 52       |          |          |          |          |          |              |    |
|             | 3        |              | 1        |          |  |  |  |  |  |  |   |  | 53       |          | $\Box$   |          |          |          |              |    |
|             | 4        | Π            | 1        |          |  |  |  |  |  |  |   |  | 54       |          | Т        |          |          |          |              |    |
|             | 5        | П            | V        |          |  |  |  |  |  |  |   |  | 55       |          |          |          |          | Ι        |              |    |
|             | 6        | П            | 1        |          |  |  |  | Г  |  |  |   |  | 56       |          | $\top$   |          | Π        |          |              | Γ  |
|             | 7        |              | V        |          |  |  |  |  |  |  |   |  | 57       |          |          |          |          |          |              |    |
|             | 8        |              | 1        |          |  |  |  |  |  |  |   |  | 58       |          |          |          | Ι.       |          | <u> </u>     |    |
|             | 9        | Ш            | ٧        |          |  |  |  |  | L  | <u> </u>   |   |  | 59       |          |          |          |          | <u> </u> |              | L  |
|             | 10       | Ш            | 1        |          |  | 乚  | <u> </u>   | L  | L  |  |   |  | 60       | <u> </u> | $\perp$  |          |          |          |              | L  |
|             | 11       | Ш            | N        |          |  |  |  | L  |  | L  |   |  | 61       |          | $\perp$  | $\perp$  | L        | L        | L            | L  |
|             | 12       | Ш            | N        |          | L  |  |  |  |  | <u> </u>   |   |  | 62       |          | $\perp$  |          | _        | _        | <u> </u>     | L  |
|             | 13       | Ш            | N        |          | _  | <u> </u>   | _  | _  | L  |  |   |  | 63       |          |          |          | ┖        | ╙        | $\Box$       | L  |
|             | 14       | Ш            | N        |          |  |  | L  | L  | _  |  |   |  | 64       |          | ┸        |          | Ŀ        |          | L            | L  |
|             | 15       | Ш            | N        |          | _  |  | _  | <u> </u>   | _  | _  |   |  | 65       |          | _        | <u> </u> | 1_       | <u> </u> | ļ            | L  |
|             | 16       | Ш            | N        |          |  |  |  | Ŀ  |  |  |   |  | 66       |          |          |          | L        | _        | L            | L  |
|             | 17       | Ш            | N        |          | <u> </u>   |  |  | L  | <u> </u>   |  |   |  | 67       |          |          |          | ļ        | _        |              | L  |
|             | 18       | <u> </u>     | N        |          |  | <u> </u>   |  | _  |  |  |   |  | 68       |          | _        |          | <u> </u> | _        | ļ            | L  |
| <u> </u>    | 19       | +            | N        |          | 辶  | L  |  |  |  | _  |   |  | 69       | $\Box$   |          | 4_       | ┖        | _        | ļ            | L  |
|             | 20       | $oxed{oxed}$ | L.       | _        |  | <u> </u>   | <u> </u>   | L  | _  | <u> </u>   |   |  | 70       |          |          | 4_       | ┞        | ļ        | ļ            | L  |
|             | 21       | ╙            |          | L_       | _  |  | _  | L  |  |  |   |  | 71       |          | _        | _        | _        |          | <u> </u>     | L  |
|             | 22       | <u> </u>     | _        | <u> </u> | <u> </u>   | L.   | <u> </u>   |  | _  | <u> </u>   |   |  | 72       | $\sqcup$ | _        |          | ↓_       | <u> </u> | ╙            | L  |
| <u> </u>    | 23       | _            | ļ        | 匚        |  | ╙  | <u> </u>   |  | _  | _  |   |  | 73       | $\sqcup$ | _        | 4        | ╄        | ļ        | <u> </u>     | L  |
|             | 24       | _            |          | <u> </u> | ļ  |  | _  | <u> </u>   | ļ  | _  |   |  | 74       |          | _        | 4        | ╄        | -        | <u> </u>     | L  |
|             | 25       | <u> </u>     |          | <u> </u> | ļ.,  | _  | _  | _  |  | _  | ļ |  | 75       | $\vdash$ | +        |          | ╄        | ļ        | -            | 1  |
|             | 26       | _            |          |          |  |  | <u> </u>   | _  | _  | <u> </u>   | - |  | 76       | $\perp$  | +        | <u> </u> | -        |          | ┝            | ┡  |
|             | 27       | ⊢            | <u> </u> | ⊢        | _  | _  | <u> </u>   | <u> </u>   |  | -  | ł |  | 77       | $\vdash$ | +        | +        | ╄        | ⊢        | ⊢            | ┞  |
|             | 28       | ├            | ⊢        | ├        | ┡  | ├  | <u> </u>   |  | -  | ┢  | ł |  | 78       | $\vdash$ | +        | +        | ╄        | Ͱ        | ├            | H  |
|             | 29       | ├            | ⊢        | ⊢        | -  | ⊢  | ├  |  | _  | -  | ł | <u> </u>   | 79<br>80 |          | +        | +        | ╁        | -        | <del> </del> | ╀╌ |
|             | 30       | ├—           | ⊢        | ⊢        | ├  | ├  | ├  | ⊢  | -  |  | ł | _  | 81       | $\dashv$ | +        | +        | $\vdash$ | ⊢        | ├            | ╀  |
|             | 31<br>32 | ⊢            | ⊢        | ⊢        | ⊢  | $\vdash$   | ├  | ⊢  | ├  | ├  | ł |  | 82       |          | +-       | +        | ╁        | ╁        | ├            | ┝  |
|             | 33       | ⊢            | ├        | ⊢        | ⊢  | $\vdash$   | ├  | ⊢  | ⊢  | ├─   | ł |  | 83       | $\vdash$ | +        | ┰        | ╁        | ╁        | ┢            | ╀  |
|             | 34       | ├            | ├        | ╌        | $\vdash$   | $\vdash$   | ┢┈   | ┢  | ⊢  | ⊢  | 1 |  | 84       | $\vdash$ | +        | ╌        | +        | +-       | ┝            | ╁  |
| $\vdash$    | 35       | ⊢            | -        | ├        | ┢  | ┝  | ├─   | <del> </del>                                     |  | 1  | 1 | <b></b>  | 85       | $\vdash$ | +        | +-       | +        | +        | $\vdash$     | ╁  |
|             | 36       | ⊢            | ┝        |          | <del> </del>                                     | ┢  | ⊢  | ┢  | 1  | ╁  | 1 |  | 86       | $\vdash$ | ╅        | ╫        | ╁╌       | ╁        | $\vdash$     | ╁  |
| -           | 37       | ╁            | ⊢        | ╁        | -  | ╁  | ┢  | ┢  | ┢  | ╁  | ł | <u> </u>   | 87       | $\vdash$ | ╅        |          | ┿        | ╁        | ╁            | H  |
| <del></del> | 38       | ┼┈           | 1        | ┼        | <del> </del>                                     | $\vdash$   | ╁  | $\vdash$   | -  | <del>                                     </del> | 1 | $\vdash$   | 88       | $\vdash$ | +        | +        | +        | +-       | $\vdash$     | t  |
| $\vdash$    | 39       | $\vdash$     | $\vdash$ | $\vdash$ | ╁  | $\vdash$   | ╁  | ╁  | -  | <del>                                     </del> | 1 | <del>                                     </del> | 89       | $\vdash$ | +        | +-       | +-       | +        | $\vdash$     | t  |
| <u> </u>    | 40       | 1            | $\vdash$ | $\vdash$ | ┢  | t  | t  | 1  | -  | <del>                                     </del> | 1 | $\vdash$   | 90       | $\vdash$ | +        | +        | ╁        | +        | $\vdash$     | t  |
|             | 41       | t            | $\vdash$ | t        | $\vdash$   | 1  | $\vdash$   | $\vdash$   | <del>                                     </del> | +-   | 1 | $\vdash$   | 91       | $\vdash$ | +        | +        | $t^-$    | 1        | 1            | t  |
| -           | 42       | t            | t        | T        | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$   | <del>                                     </del> | <del> </del>                                     | 1 |  | 92       | $\vdash$ | $\top$   | $\top$   | $\top$   | t        | T            | t  |
|             | 43       | t            | 1        | t        | t  | ┢  | T  | <u> </u>   | $\vdash$   | $\vdash$   | 1 |  | 93       |          | 十        | $\top$   | T        | 1        | 1-           | t  |
| <b>—</b>    | 44       | †            | t        | t        | t  | t  | $t^-$  | <del>                                     </del> | $\vdash$   | <del>                                     </del> | 1 |  | 94       | $\vdash$ | $\dashv$ | 十        | †        | 1        | t            | T  |
| <b></b>     | 45       |              | 1        | T        | $\vdash$   | T  | T  |  | $\vdash$   | $\vdash$   | 1 | -  | 95       | $\Box$   | _        | o        | †-       | t        | T            | T  |
|             | 46       | T            | Т        | Т        | Т  | T  | 1  | 1  |  | t  | 1 |  | 96       | $\vdash$ | 十        | $\top$   | T        | T        | 1            | T  |
|             | 47       | T            | fΤ       | T        | Т  | Т  | Т  | Т  | t  | t  | 1 |  | 97       |          | $\top$   | $\top$   | Т        | Τ        | $\top$       | T  |
|             | 48       | 1            | 1        | Т        | Т  | Т  | Т  | Т  | T  | T  | 1 |  | 98       |          | $\top$   | 1        | T        | 1        |              | T  |
|             | 49       | 1            | 1        | $\vdash$ | Т  | Π  | T  | T  | Π  | Т  | 1 | <b></b> -  | 99       | $\Box$   | $\top$   | $\top$   | 1        | 1        |              | T  |
|             | 50       | Т            | T        | T        | Т  | T  | <del>                                     </del> | T  | 1  | Т  | 1 |  | 100      | $\vdash$ | $\top$   | $\top$   | $\top$   | $\top$   | 1            | T  |
|             | , ,,,    | -            | _        | _        | -  |  | -  | _  |  |  | _ |  |          |          |          |          | ٠        |          | -            | _  |

| Cla      | im        | _        |          |          |          | ate      | <del>-</del> |          |          |          |
|----------|-----------|----------|----------|----------|----------|----------|--------------|----------|----------|----------|
|          |           |          |          |          |          |          |              | 7        |          |          |
| Final    | Original  |          |          |          |          |          |              |          |          |          |
|          | 51        |          |          |          |          |          |              |          |          |          |
|          | 52        |          |          |          |          |          |              |          |          |          |
|          | 53        |          |          |          |          |          |              |          |          |          |
|          | 54<br>55  |          |          |          |          |          |              |          |          |          |
|          | 55        | _        |          |          |          |          |              |          |          |          |
|          | 56        |          |          |          |          |          |              |          |          |          |
|          | 57        | _        | _        |          | Щ        |          |              | $\Box$   |          | _        |
|          | 58        | _        | _        |          |          |          |              |          |          |          |
|          | 59        | _        | _        |          |          |          |              | _        |          |          |
|          | 60        | _        |          |          |          |          |              |          |          |          |
|          | 61        | -        |          |          |          |          |              | _        |          |          |
|          | 62        | $\dashv$ | $\dashv$ |          | -        |          | _            |          |          |          |
|          | 63<br>64  | $\dashv$ | -        |          | _        |          |              |          | _        |          |
|          | 65        |          | $\dashv$ |          |          |          |              | _        | -        | _        |
|          | 66        |          | $\dashv$ |          |          |          |              |          | $\dashv$ |          |
|          | 67        |          | -        |          |          | _        |              |          |          | _        |
|          | 68        | $\dashv$ | $\dashv$ |          | Н        | -        |              |          |          |          |
|          | 69        | _        |          |          |          |          |              |          |          |          |
|          | 70        | _        | $\neg$   |          |          |          |              |          |          | -        |
|          | 71        |          |          |          | _        |          |              |          |          | -        |
|          | 72        |          |          |          |          |          |              |          |          |          |
|          | 73        |          |          |          |          |          |              |          |          |          |
|          | 74        |          |          |          |          |          |              |          |          |          |
|          | 75        |          |          |          |          |          |              |          |          |          |
|          | 76<br>77  |          |          |          |          |          |              |          |          |          |
|          | 77        | $\Box$   |          |          |          |          |              |          |          |          |
|          | 78        | _        |          |          |          |          | Ш            |          |          | L.       |
|          | 79        |          | _        |          |          |          |              |          |          |          |
|          | 80        |          | _        |          |          | $\vdash$ |              |          |          |          |
|          | 81        |          |          |          |          | $\vdash$ |              |          |          |          |
| <b></b>  | 82<br>83  | $\dashv$ | _        | -        | $\vdash$ |          | $\vdash$     | <u> </u> | $\vdash$ | -        |
|          | 84        | $\dashv$ |          |          |          | -        | -            |          | _        | _        |
| <b></b>  | 85        | $\dashv$ | $\dashv$ | -        | -        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | _        |
|          | 86        | -        | _        | -        | -        | -        |              |          |          |          |
| -        | 87        | $\dashv$ |          | Н        |          | H        | Н            | Н        |          | H        |
|          | 87<br>88  |          |          |          |          |          |              | $\Box$   | П        | Г        |
|          | 89        |          |          | П        |          | Г        |              |          |          |          |
|          | 90        |          |          |          |          |          |              |          |          |          |
|          | 91        |          |          |          |          |          |              |          |          |          |
|          | 92        |          |          |          |          |          |              |          |          |          |
|          | 93        |          |          |          |          |          |              |          |          |          |
|          | 94        |          |          | L        | <u> </u> | L_       | L_           | <u> </u> | L_       | _        |
| <u> </u> | 95        |          |          | <u> </u> | <u> </u> | ┞        | <u> </u>     | L        | <u> </u> | _        |
| <u> </u> | 96        | _        | _        | <u> </u> | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u> |
|          | 97        | ļ!       |          | _        | <u> </u> | <u> </u> | <u> </u>     | _        | ├        |          |
| <u> </u> | 98        | $\vdash$ | _        | $\vdash$ | <b>-</b> |          | $\vdash$     | ├-       | ├-       |          |
| ├        | 99        | <u> </u> | -        | ⊢        | ├-       | -        | $\vdash$     | ├-       | ⊢        | -        |
|          | 1 15 11 7 |          |          |          |          |          |              |          |          |          |

| Cla   | aim               | Date     |  |  |                                     |  |  |  |              |          |  |  |
|-------|-------------------|----------|--|--|-------------------------------------|--|--|--|--------------|----------|--|--|
|       |                   |          |  |  |                                     |  |  |  |              | $\neg$   |  |  |
| a     | Original          |          |  |  |                                     |  | i  |  |              |          |  |  |
| Final | rig               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 0                 |          |  |  |                                     |  |  |  |              | - 1      |  |  |
|       | 101               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 102               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 103               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 104               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 105               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 106               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 107               |          |  |  |                                     |  |  |  |              | $\Box$   |  |  |
|       | 108               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 109               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 110<br>111        |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 111               | L        |  | _  |                                     | <u> </u>   | <u> </u>   | L  | Ш            |          |  |  |
|       | 112               | Ш        | L  | L  |                                     | <u> </u>   | ldash  | <u> </u>   |              |          |  |  |
|       | 112<br>113<br>114 | Щ        |  | L_   |                                     |  | Ш  |  | Ш            |          |  |  |
|       | 114               | Щ        | $\vdash$                                     | $\sqcup$   |                                     | Щ  | Ш  | Ш  |              | Щ        |  |  |
|       | 115<br>116        | Щ        | Щ  | <u> </u>   | <u> </u>                            |  | L.   | H  |              |          |  |  |
|       | 116               | H        |  |  |                                     | <u> </u>   | _  | <u> </u>   | _            | Щ        |  |  |
|       | 117               | Ш        | H  |  | <u> </u>                            | <u> </u>   | -  | <u> </u>   | _            | Щ        |  |  |
|       | 118               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 119               |          |  |  | _                                   | <u> </u>   | _  | _  |              | $\dashv$ |  |  |
|       | 120               | _        | _  |  |                                     | _  |  | _  |              | Н        |  |  |
|       | 121<br>122        |          | _  | <u> </u>   |                                     | <b> </b> -                                       |  | <u> </u>   |              | ш        |  |  |
|       | 122               |          |  |  |                                     | -  |  |  |              | Н        |  |  |
|       | 123               | H        |  | _  |                                     | H  | _  |  | _            | Щ        |  |  |
|       | 123<br>124<br>125 | _        |  |  |                                     | -  |  |  |              | Н        |  |  |
|       | 126               | $\vdash$ |  | -  |                                     | <del></del>                                      | $\vdash$   | ├  | -            | $\dashv$ |  |  |
|       | 126<br>127        | $\vdash$ | -  | $\vdash$   | $\vdash$                            | $\vdash$   | ┢  | _  | -            |          |  |  |
|       | 128               |          |  | $\vdash$   | -                                   |  | -  | <del> </del>                                     | $\vdash$     | -        |  |  |
| _     | 129               |          |  | 1  | -                                   | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$ |  |  |
|       | 129<br>130        |          | -  | _  | ┢                                   | _  | _  |  | -            |          |  |  |
|       | 131               |          | -  | _  | -                                   |  | $\vdash$   |  | ┢            | $\neg$   |  |  |
|       | 132               |          | $\vdash$                                     | <del>                                     </del> | $\vdash$                            | $\vdash$   | T  |  |              | Н        |  |  |
|       | 132<br>133        | $\vdash$ | $\vdash$                                     | $\vdash$   | $\vdash$                            | _  | <del>                                     </del> | İ  | $\vdash$     | $\vdash$ |  |  |
|       | 134               | <b>-</b> | $\vdash$                                     | $\vdash$   | $\vdash$                            | <del>                                     </del> | <u> </u>   |  | Г            | П        |  |  |
|       | 135               |          |  |  |                                     |  |  |  |              | П        |  |  |
| -     | 136               | Г        |  |  |                                     |  |  |  |              | П        |  |  |
|       | 137               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 137<br>138        |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 139               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 140               |          |  |  |                                     |  |  |  |              |          |  |  |
|       | 141               |          |  |  |                                     |  | 匚  |  |              |          |  |  |
|       | 142               |          |  |  | L                                   |  | 1_   |  |              | Ш        |  |  |
|       | 143               |          | <u> </u>                                     | lacksquare                                       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _  | Щ  | _  |              |          |  |  |
|       | 144               |          | <u> </u>                                     | $oxed{\Box}$                                     | $ldsymbol{oxed}$                    |  | _  | _  | $oxed{\Box}$ |          |  |  |
|       | 145               | oxdot    | _  | oxdot  | <u> </u>                            | $\vdash$   | _  |  | L.           | $\Box$   |  |  |
|       | 146               | 乚        | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 乚  | <u></u>                             | L  | $ldsymbol{f eta}$                                | <u> </u>   | L_           |          |  |  |
|       | 147               | <u> </u> | _  | $oxed{oxed}$                                     | <u> </u>                            | _  | $\vdash$   | $\vdash$   | <u> </u>     |          |  |  |
|       | 148               | ┖        | <u> </u>                                     | $\vdash$   | _                                   | _  | <u> </u>   | $oxed{oxed}$                                     | <u> </u>     |          |  |  |
|       | 149               | <u> </u> | _  | <u> </u>   | _                                   | ┞-   | $\vdash$   | ╙  | ļ            | Щ        |  |  |
| L     | 150               | <u> </u> | <u>L</u>                                     | <u> </u>   |                                     | <u> </u>   | <u> </u>   | 1  | L            | Ш        |  |  |
|       |                   |          |  |  |                                     |  |  |  |              |          |  |  |